

554,291

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



INTERNATIONAL BUREAU OF PATENT COOPERATION
35, rue de la Harpe, CH-1015, Yverdon, Suisse
P.O. Box 688, CH-1015, Yverdon, Suisse
P.O. Box 688, CH-1015, Yverdon, Suisse

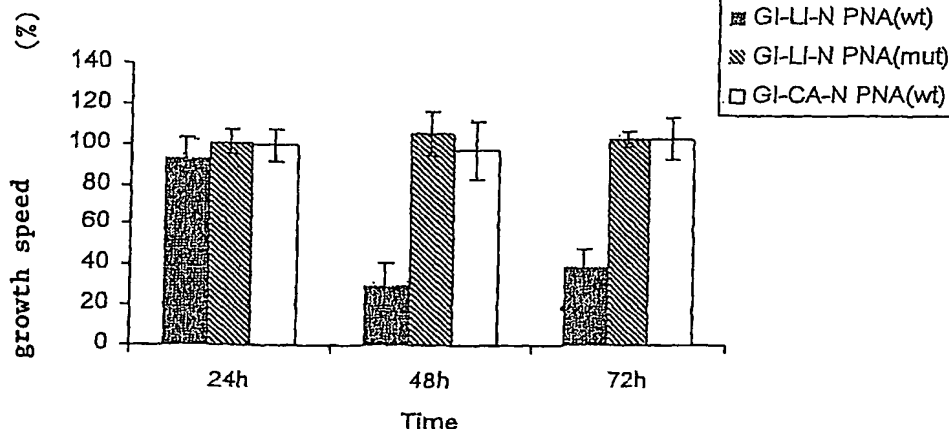
(43) International Publication Date
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number
WO 2004/096826 A2

- (51) International Patent Classification⁷: C07H 21/00 (74) Agent: MARGUTTI, Roberto; Bugnion S.p.A., Viale Lancetti, 17, I-20158 Milano (IT).
- (21) International Application Number: PCT/IB2004/001297 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 29 April 2004 (29.04.2004)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data: MI2003A000860 29 April 2003 (29.04.2003) IT (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicants (for all designated States except US): UNIVERSITA' DEGLI STUDI DI BOLOGNA [IT/IT]; Via Zamboni, 33, I-40126 Bologna (IT). UNIVERSITA' DEGLI STUDI DI PARMA [IT/IT]; Via Università, 12, I-43100 Parma (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TONELLI, Roberto [IT/IT]; Via dello Sport, 19, I-40057 Granarolo dell'Emilia (Bologna) (IT). FRONZA, Raffaele [IT/IT]; Via Monte Tessa, 3, I-39012 Merano (Bolzano) (IT). PESSION, Andrea [IT/IT]; Via Tavernari, 3, I-40137 Bologna (IT). SFORZA, Stefano [IT/IT]; Borgo Collegio Maria Luigia, 19, I-43100 Parma (IT). CORRADINI, Roberto [IT/IT]; Via S. Filippo, 9, I-42100 Reggio Emilia (IT). MARCHELLI, Rosangela [IT/IT]; Via Emilia Est, 20, I-43100 Parma (IT).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR SELECTIVE INHIBITION OF HUMAN N-MYC GENE IN N-MYC EXPRESSING TUMORS THROUGH ANTISENSE AND ANTIGEN PEPTIDO-NUCLEIC ACIDS (PNA)



(57) Abstract: The present invention refers to sense and antisense peptido-nucleic acids (PNAs). The present invention further refers to the use of said PNAs for preparing drugs for treating genetic diseases.

WO 2004/096826 A2